IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Sang Young Kim et al.

on Serial # : 07/964,362

9983.3US01

October 21, 1992

Examiner: B. Everhart

Group Art Unit: 1109

METHOD FOR FILLING CONTACT HOLES WITH METAL BY TWO-STEP DEPOSITION Title

TRANSMITTAL SHEET

The Commissioner of Patents and Trademarks BOX PATENT APPLICATION BRANCH Washington, D.C. 20231

Sir:

Docket

We are transmitting herewith the attached:

- A return postcard. Χ
- Check of \$730.00 to cover the FWC application filing fee. $\underline{\mathbf{x}}$
- X Check of \$870.00 to cover the extension fee in the parent case (07/964,362).
- Transmittal sheet in duplicate (1 pg. each). X
- Petition for Extension of Time (1 pg.). X
- REOUEST FOR FILE WRAPER CONTINUING APPLICATION UNDER 37 CFR 1.62 (4 pgs.). <u>X</u>

The filing fee has been calculated as follows:

	CLAIMS		BASIC FEE NUMBER		SMALI	LENTITY	OR	07	THER	
	AS FILED / AMENDED		COVERS	COVERS EXTRA CLAIMS		RATE	FEE		RATE	FEE
BASIC FEE							\$365			\$730
TOTAL CLAIMS	6	-	20	= 0		x 11	= \$	OR	x 22	= \$
INDEPENDENT CLAIMS	3	-	3	= 0		x 37	= \$	OR	x 74	= \$
FIRST MULTI	PLE DEPENDE	ENT	CLAIM PRES	SENTED		+115	= \$	OR	+230	= \$
TOTAL FEE DUE:						\$			730	

Please charge any additional required fees or credit overpayment to Deposit Account No. 13-2725. A duplicate copy of this sheet is enclosed.

MERCHANT, GOULD, SMITH, EDELL, WELTER & SCHMIDT 3100 Norwest Center, Minneapolis MN 55402 (612-332-5300)

Name:

37,265 Reg. No.

CERTIFICATE UNDER 37 CFR 1.10:

X Express Mail no. TB77198340XUS

Date of Deposit: 10/24/94

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and addressed to the Comm. of Patents & Trademarks, Washington, DC 20231.

> By: Tina Jaliva Name:

MDS: LMG



Applicant:

Sang Y. KIM

Examiner:

T. Bilodeau

9983.3US01

Serial No .:

08/327,887

Group Art Unit:

1107

Filed:

October 24, 1994

Docket:

Notice of

February 20, 1997

Batch No .:

J82

Allow. Date:

Due Date:

May 20, 1997

Title:

METHOD FOR FILLING CONTACT HOLES WITH METAL BY TWO-STEP DEPOSITION

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this Transmittal Letter and the paper, as described hereinabove, are being deposited in the United States Postal Service, as first class mail, in an envelope addressed to: BOX ISSUE FEE Assistant Commissioner for Patents, Washington, D.C. 20231, on May 19, 1997.

BOX ISSUE FEE

Assistant Commissioner for Patents

Washington, D.C. 20231

Sir:

We are transmitting herewith the attached:

- ▼ Transmittal Sheet in duplicate containing Certificate of Mailing
- Check(s) in the amount of \$1,290.00, for Issue Fee and check in the amount of \$33.00 for Advance Order of 11 Patent Copies.
- Other: Part B--Issue Fee Transmittal (PTOL-85B); Communication Re: Submission of Formal Drawings (1 page); Formal Drawing of Fig. 2C (1 page).

Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers, if appropriate. Please charge any additional fees or credit overpayment to Deposit Account No. 13-2725. A duplicate of this sheet is enclosed.

MERCHANT, GOULD, SMITH, EDELL, **WELTER & SCHMIDT** 3100 Norwest Center, Minneapolis, MN 55402 (612) 332-5300

By: Min Name: Min Xu

Reg. No.: 39,536

AX/mas

1109

Group Art Unit:

TED STATES PATENT AND TRADEMA IN THE

In Fe Patent Application of: Sang Young Kim et al.

Application Serial # : 07/964,362

9983.3US01

October 21, 1992

Examiner: B. Everhart

Title METHOD FOR FILLING CONTACT HOLES WITH METAL BY TWO-STEP DEPOSITION

TRANSMITTAL SHEET

The Commissioner of Patents and Trademarks BOX PATENT APPLICATION BRANCH Washington, D.C. 20231

Sir:

Docket

We are transmitting herewith the attached:

- X A return postcard.
- <u>X</u> Check of \$730.00 to cover the FWC application filing fee.
- <u>x</u> Check of \$870.00 to cover the extension fee in the parent case (07/964,362).
- <u>X</u> Transmittal sheet in duplicate (1 pg. each).
- $\underline{\mathbf{X}}$ Petition for Extension of Time (1 pg.).
- REQUEST FOR FILE WRAPER CONTINUING APPLICATION UNDER 37 CFR 1.62 (4 pgs.). <u>X</u>

The filing fee has been calculated as follows:

	CLAIMS AS FILED		BASIC FEE COVERS	NUMBER EXTRA		SMALI	L ENTITY	OR	07	THER
	/ AMENDED		COVERS	CLAIMS		RATE	FEE		RATE	FEE
BASIC FEE							\$365			\$730
TOTAL CLAIMS	6	-	20	= 0		x 11	= \$	OR	x 22	= \$
INDEPENDENT CLAIMS	3	_	3	= 0		x 37	= \$	OR	x 74	= \$
FIRST MULTI	PLE DEPENDE	INI	CLAIM PRES	SENTED		+115	= \$	OR	+230	= \$
	TOTAL FEE DUE: \$ \$ 730									

Please charge any additional required fees or credit overpayment to Deposit Account No. 13-2725. A duplicate copy of this sheet is enclosed.

MERCHANT, GOULD, SMITH, EDELL, WELTER & SCHMIDT 3100 Norwest Center, Minneapolis MN 55402 (612-332-5300)

Name: Reg. No. 37,265

CERTIFICATE UNDER 37 CFR 1.10:

X Express Mail no. TB77198340XUS

Date of Deposit: <u>10/24/94</u>

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and addressed to the Comm. of Patents & Trademarks, Washington, DC 20231.

> Tina Jaliva Name:

> > MDS: LMG



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Docket Number	Anticipated of this App		Prior Application		
	Class	Subclass	Examiner	Art Unit	
9983.3US01	437		B. Everhart	1109	

REQUEST FOR FILE WRAPPER CONTINUING APPLICATION <u>UNDER 37 CFR § 1.62</u>

Hon. Commissioner of Patents and Trademarks **BOX FWC** Washington, DC 20231

Dear Sir:

					continua			
X conti								
prior app	lication	n Serial	No. <u>07</u>	/964,36	<u>2</u> , filed	l on <u>Oct</u>	<u>ober 21,</u>	1992 ,
entitled						METAL BY	TWO-STE	<u>P</u>
DEPOSITIO	N by t	he foll	owing in	ventor (s):			

	Full Name	Family Name	First Given Name	Second Given Name			
,	Inventor 1	KIM	Sang	<u>Y</u> oung			
	Residence	<u>City</u>	State or Foreign Country / 0 (Country of Citizenship			
	& Citizenship	Seoul	Korea KK	Korea			
	Post Office Address	139-26, An Am-Do Seoul, Korea	139-26, An Am-Dong Sung buk-Gu, Seoul, Korea				

)	Full Name	Family Name	First Given Name	Second Given Name			
	Inventor 2	SONG	Yung	<u>W</u> ook			
	Residence	<u>City</u>	State or Foreign	Country of Citizenship			
	& Citizenship	Seoul	Country Korea KKK	Korea			
	Post Office Address		06-504, Hyundai Apt., Gwang Jang Dong, ung Dong Gu, Seoul, Korea				

σÙ	Full Name	Family Name	First Given Name	Second Given Name		
0	Inventor 3	KIM	Hun	Do		
	Residence &	City	State or Foreign Country	Country of Citizenship		
	© Citizenship	Seoul	Korea	Korea		
	Post Office Address	21-34, Gu wi-Do Seoul, Korea	4, Gu wi-Dong, Sung Dong-Gu, 1, Korea			

The above-identified prior application in which no payment of the issue fee, abandonment of, or termination of proceedings has occurred, is hereby expressly abandoned as of the filing date of this new application. Please use all the contents of the prior application file wrapper, including the drawings, as the basic papers for the new application. (Note: 37 CFR 1.60 may be used for applications where the prior application is not to be abandoned.)

1.	X	Enter the amendments previously filed on
		August 22, 1994 in the prior application.

2. A Preliminary amendment is enclosed.

The filing fee is calculated on the basis of the claims existing in the prior application as amended at 1 and 2 above.

NO. OF CLAIMS AS FILED	NUMBER OF EXTRA CLAIMS	RATE LARGE/SMALL	FEES DUE
Total Claims:	6 - 20 = 0	\$22 or 11	\$ 0
Indep. Claims:	3 - 3 = 0	\$76 or 38	\$ 0
BASIC FILING	?EE:	\$730 or 355	\$730.00
	ŗ	TOTAL FEE DUE	\$730.00

Small entity status of this application under 37 C.F.R. 1.9 and 1.27 has been established by verified statement previously submitted.

- 3. Payment of fees:
 - X Attached is a check in the amount of \$\frac{730.00}{}.
 - Please charge Deposit Account No. 13-2725.
- 4. The Commissioner is hereby authorized to charge any additional fees as set forth in 37 CFR 1.16 to 1.18 or 37 CFR 1.15(b)1 which may be required such as an extension of time in the parent application or credit any overpayment to Account No. 13-2725.
- 5. X Amend the specification by inserting before the first line the sentence:

"This is a continuation of U.S. Application Serial No. 07/964,362 filed October 21, 1992 A."

) nowaban doned

- A new oath or declaration is included since this application is a continuation-in-part which discloses and claims additional matter.
 - 7. X Priority is claimed under 35 U.S.C §119 to the following application:

 Korean Patent Application No. 91-18500 filed 21 October 1991.
 - 8. X The prior application is assigned of record to Hyundai Electronics Industries Co., Ltd.
 - 9. The Power of Attorney in the prior application is to:

Merchant, Gould, Smith, Edell, Welter & Schmidt, P.A. 3100 Norwest Center 90 South Seventh Street Minneapolis, Minnesota 55402-4131

Address all future communications to (may only be completed by applicant, or attorney or agent of record):

Merchant, Gould, Smith, Edell, Welter & Schmidt, P.A. 3100 Norwest Center

90 South Seventh Street

Minneapolis, MN 55402-4131

Attn.: Mr. Michael D. Schumann

The undersigned declare further that all statements made herein of his own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements made jeopardize the validity of the application or any patent issuing therefrom.

October 22, 1994 Date By	Philip S. Yip Reg. No. 37,265
Address of Signator:	<pre>Inventor</pre>
MERCHANT, GOULD, SMITH, EDELL, WELTER, & SCHMIDT	Assignee of complete interest
3100 Norwest Center Minneapolis, MN 55402	X Attorney or agent of record
"Express Mail" mailing number	ed States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10